LABDEX

Standard Vacuum Freeze Dryer LX2510SFD

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Description

Standard Vacuum Freeze Dryer LX2510SFD is a designed with a condensing capacity of 3 kg-4 kg / 24 h and a temperature of -50°C. Equipped with four trays with a bulk capacity of 1.8 L allowing any shape or size of sample to be freeze dried. Precise vacuum control enables faster freeze drying and reproducible results. Transparent drying chamber helps in visualization of drying process. Big opening condenser with external coiling tubes facilitates pre-freezing function. It has Color LCD touch screen displays running time, display sample temperature, condenser temperature, vacuum degree, and save data automatically.

Specifications

Condenser temperature	-50°C
Condenser capacity	3 to 4 kg / 24 h
Freeze drying area	0.18 Sq.m
Bulk capacity	1.8 L, 10 mm thickness
Vial capacity	Φ 12 mm: 820 pieces Φ 16 mm: 460 pieces Φ 22 mm: 244 pieces
Condenser size	Φ 220 mm, 240 mm deep
Cooling	Air cooling
Ambient temperature	≤25°C
Defrosting	Off cycle defrosting
Trays	6 layers
Tray dimension	Φ 200 mm
Tray spacing	50 mm

Vacuum pump flow rate	7.2m3 / h; 2L/S
Vacuum	< 10 PA
Shelf	Electric heating function
Shelf temperature	RT to +80°C
Power	1400 W
Voltage	220V/50 Hz; 110V/60Hz; 120V/ 60Hz
Dimensions	580 x 500 x (720 + 430) mm
Weight	110 kgs

Features

- Condenser temperature -50°C
- Color LCD touch screen display, display of sample temperature, vacuum curve degree, cold trap temperature curve
- Acrylic drying Chamber is safe and easy to view sample status
- High pumping speed vacuum pump
- Pre-freezing function
- Anti-corrosive stainless steel air inlet valve
- USB port to output freeze drying data

Applications

- It is use for preserving a wide variety of heat-sensitive materials such as proteins, microbes, pharmaceuticals, tissues & plasma.

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